

ORSI AND ARMANI'S
PATENT METALLIC LAVA,
BROWN, WHITE, AND ORNAMENTAL,

AND
SEYSEL ASPHALTE.

Messrs. O. and A. beg to inform ARCHITECTS, BUILDERS, &c. that in addition to their BROWN LAVA for floors, roofings, &c. and their WHITE and ORNAMENTAL LAVA, for interiors of churches, halls, museums, &c. (and in consequence of CLARIDGE'S PATENT for SEYSEL ASPHALTE having expired), they are now ready to contract for work to any extent in SEYSEL ASPHALTE, imported by them from the original mines of Seyssel, and by their List of Prices, Architects, Builders, and Contractors will see a GREAT REDUCTION from those of any other importer.

A GUARANTEE IS GIVEN for work executed by O. and A. for THREE YEARS, free of any expense.

For particulars, samples, and list of prices, at the Office, 6, Guildhall-chambers, Basinghall-street, City.

July, 1883.

GLOOMY and DARK ROOMS
ILLUMINED BY THE LIGHT OF DAY
PATENT COMBINATION REFLECTORS;
WINDOWS SECURED AGAINST FIRE AND BURGLARY.

A Description, post-free, on application to
BOYD and CHAPMAN (late J. BOYD and SON), SOLE MANUFACTURERS,
78, WELBECK-STREET, CAVENTISH-SQUARE.

PLUMBIC ZINC.
MOREWOOD and ROGERS'S PATENT PLUMBIC ZINC
POSSESSES THE DURABLE QUALITIES OF LEAD, and not requiring to be more than ONE-FOURTH AS
HEAVY AS SHEET LEAD, is, with great ECONOMY and ADVANTAGE, substituted for that metal FOR
ROOFING, RIDGES, GUTTERS, and all other purposes to which sheet lead is applicable.

THE EXPENSE OF THIS METAL IS LESS THAN ONE-HALF THAT OF LEAD.

See further particulars, apply to
MOREWOOD and ROGERS, GALVANIZED TINNED IRON WAREHOUSE,
STEEL-YARD WHARF, 7, UPPER THAMES-STREET, LONDON.

IRON ROOF

By Royal



WORKS.

Letters Patent.

JOHN WALKER, SON OF THE PATENTEE, GENERAL CONTRACTOR.

HAVING EXTENDED HIS MEANS FOR EXECUTING ORDERS, AND FREQUENT FOR
CORRUGATED IRON BUILDINGS AND ROOFS,

Contractors or others will be happy to work by appointment, on ARCHITECTS' ENGINEERS, &c.
Architects are invited to ascertain his Prices for shipping &c. The Trade supplied with Corrugated Iron, Plain or Galvanized, or
True Corrugated, &c. to Firms of the first class.

FIRE-PROOF FLOORING.

The constant attention of ARCHITECTS, ENGINEERS, &c. is called to a particularly convenient mode of erecting Fire-proof
Floors capable of sustaining great weight, without any thrust against the walls. Any information, with Estimates, Drawings, &c. may
be obtained at the Office.

63, GRACEBURY-STREET, LONDON.

IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, late of Southwark.

Manufacturers of the Corrugated and other kinds of Iron Roofing
for railway stations, carriage sheds, farm buildings, gas-works,
warehouses, factories, &c. &c.

PATENTEE
Of the Corrugated Iron Roofs, Girders, and Fire-proof Floors.
LONDON—Office, 24, Cornhill.

THE PATENT GALVANIZED IRON.
TUPPER and GARR.

Offers of Contractors' Patents, and Documents to
THE GALVANIZED IRON COMPANY.
Supply patent Galvanized Sheets, plain or corrugated, for roofing
in Water or Gas Pipes, Girders, Wire of all gauges, Gutters,
&c. Wholesale, retail, and for export.

As Agents in the Trade
WORKS—RECENTS CANAL WHARF, LINCOLN, and
BIRMINGHAM.
LONDON OFFICE—A WATSON HOUSE PLACE.

THE PATENT (IMPROVED) GALVANIZED
IRON.

JOHN STYMONS and CO. call the attention of merchants,
engineers, contractors, and others to the improvements they have
made in working GALVANIZED PLATES, by which they are
enabled not only to preserve the toughness and ductility of the
iron, but to supply galvanized sheet-iron and wire of every descrip-
tion, superior in all respects to that produced by any other process.
Business given for corrugated sheet-iron, tin-plate, wire for
barrels, and galvanizing cables, wire ropes, fencing, &c.
Engines and boilers to the Galv. Regions supplied with
J. & CO. PATENT GALVANIZED IRON GOLD WASH-
ING MACHINES.

J. & CO. contain estimates for roofs first complete.
List of prices, and every other information, forwarded on applica-
tion.

OFFICES—12, CIRCUS, MINORINE.
WORKS—GLASS-HOUSE-YARD, opposite the principal
entrance to the London Docks.

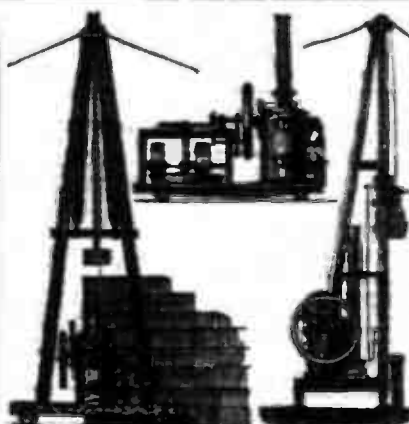
WANTED, AN EIGHT-HORSE ENGINE, with
a double 15-inch Pump attached—Apply by letter to
T. W. A. PARSONS-terrace, East India-road, London.

WANTED TO PURCHASE, A STEAM-ENGINE
of 10-horse or more power, with or without pump,
capable of driving a pressure of 100 lbs. The engine must be a
solid engine, with crank motion, and complete with pump and
boiler. A high-pressure horizontal cylinder will be very suitable.
Desires to drive a piston wheel. Apply by letter, stating price.
To Mr. THOMAS WRIGHT and CO. Engineers, 4, George-yard,
London-street.

TO BE SOLD, A BARGAIN, a capital double-
fire boiler, depending on CROMBIE'S STOVE, now within
two years, with flues, &c. complete, just returned from a double-
fire engine, very valuable for a large engine's shop. Apply to Mr.
J. R. FLEWELL, 100, Upper Thames-street, City. N.B. A good
GALVANIZED SHEET, and BELLEVILLE WASTED, for
contracting.

BOILER and WATER TANKS for SALE.—
A Cornish boiler, in good condition, 30 feet long, 4 feet 6
inches diameter, equal to twenty-horse power. Also several large double-
fire Water Tanks to be sold cheap. Apply to A.
WRIGHT, Engineer, 24, Milford-street.

TO THE FOUNDERS, CONTRACTORS, AND OTHERS
TO BE DISPOSED OF, A great bargain, a
low-pressure GEARWORK, with PUMPHRY PAN com-
plete. The whole has been fitted up, and is in perfect order, and is
ready to go. It is offered for sale in consequence of a steam-
engine having been erected in its place. The house where it is
situated will be used soon. The gear-work may be had without
the house, or by J. and F. HOWARD, Bedford



A SAVING OF TIME AND MATERIALS, with
safety of Building.

BATHAN GOUGH'S PATENT PORTABLE STEAM-
ENGINE of two, three, four, and six-horse power, for grinding
corn, raising building materials, driving piston, circular saws,
pumps, &c. &c. Also, steam engines for such purposes.

From the Trustees of the Birkhead Docks.
"Engineers' Office, Dock-yard, Birkhead, 21st July, 1881.
"Sir, I have much pleasure in informing you that the three-
horse engine which you have placed in the Column for pumping,
answers its purpose admirably, doing its work much better than
any other could accomplish. From its portability and light-
ness, it is peculiarly adapted for such a service."
—JAS. ASHERBURY.

CALORIFERE.—Gold Medal, Paris Exhibition,
1875.—A machine which has been turned out at 400 guineas
Fahrenheit on burning 100 lbs. of coal per hour. The most com-
pact and efficient boiler, the best boiler for small power, and
without any machinery, may be obtained by BOLLIVIER
CALORIFERE patent apparatus for warming, ventilating,
and desiccating by hot air only. The Calorifere has been adopted by
His Grace the Duke of Devon, at Weymouth Abbey, and is in
operation at several manufacturing concerns in London and the country.
Apply, per post, to T. BOLLIVIER, Esq. Engineer for Power Mills,
Turbinen, 147, Fenchurch-street, London.

GUTTA PEACHA TUBING.—May be buried
in the ground, without injury, and is therefore valuable for con-
veying water, chemicals, &c. It is particularly valuable for liquid
manure, drains, and oil pipes. Being a patent, it is not
affected by the action of water or drainage of manure. Its strength is
extraordinary; the small thickness of the tubing being a great
advantage. It is made in lengths of 100 feet, and may be had in 100 feet,
and the larger in 500 feet lengths. The joints are easily made. As
a conductor of sound it is most valuable for conveying messages in
the case of bells. Every variety of article manufactured by the
GUTTA PEACHA COMPANY, Patented, in Wand-road, Clap-
ton, London, and sold by their wholesale dealers.

Wholesale City Depot, Messrs. HURDIS and KEY,
118, Newgate-street.

DAMP WALLS.—NEW PATENT PAINT, as
used in the TOWER, by order of HER MAJESTY'S
HONOURABLE BOARD OF ORDNANCE; of the TUNNEL,
HOLOGICAL GARDENS, Regent's-park, and various other
works of great importance; in quantity to finish twenty square
yards by Mr.
PATENT LIQUID GUNITE for the fronts of houses, for
damp-proofing, giving the appearance of brick and stone, and
only cost 10s. per square yard of Oil Paint. In coats of 1, 2, and 3
only 6d. per sq. yd. and 10s. per sq. yd.
PATENT MINERAL ZINC PAINTS, invaluable for damp-
proofing and preservation, ready for use. White Zinc and
Lead and Black Zinc and Blue and Green.
BLACK MINERAL PAINT, very permanent, half the usual
price, only 10s. per gallon.
NEW PATENT COLOUR for inside work, may be applied on
Wood, Plaster, Cement, or over Oil Paint. No wash, and will
dry in an hour. In cans of 1 or 2 of 10s.
G. BELL and CO. Steam Mills, 2, Wellington-street, General-
street, London.

HUBBUCK'S PATENT WHITE ZINC
PAINT.—THE PERMANENT WHITE of the Americans,
by its permanent whiteness, superior to the use of the artist, is now
advised at the price of the ordinary white lead.

Four years since the proprietors placed their manufacture on a
superior scale, and per this elegant paint in competition with White
Lead.

It contained superiority over every other paint hitherto known
brought forward various imitations.

These imitations, however, made from cheap and
containing lead, arsenic, and other deleterious materials, are injurious
to health, and to the body, and to the other purposes where it is
applied, and is therefore the original patent should be preserved.

In justice to the proprietors they should not be deceived and with
the original, even though sold under the pretence that it is all the
same.

Hubbuck's paint is entirely free from any injurious proportion
whatever; it is healthful in the manufacture, healthful in use, and
beneficial to the economy of rooms newly painted with it.

As a guard to the public against the imitations of the inferior
paints, each can is stamped
"HUBBUCK, LONDON, PATENT."

and if the can has not been so stamped, the owner is advised.
The provided White Zinc also may be had for grinding in oil;
this is done for previous cards, for information for price, terms, and
for the painter's convenience, and the other purposes where it is used
with oil, gas, varnish, spirit, &c. &c.

Dealing with full particulars may be had of THOMAS
HUBBUCK and SON, Colour Manufacturers, opposite the London
Docks.

PURE PATENT WHITE ZINC PAINT, from
the VILLIE MONTAGNE ZINC MINING COMPANY
of BELGIUM.—THIS PAINT is superior to every respect to white
lead, and is recommended in white lead, very low, and is
applied, and is therefore the original patent should be preserved.

Reasons. It is entirely free from all poisonous ingredients, is
unaffected by sea-water, impure water, hygienic, or any gases, and
preserves its original colour, which white lead does not.

WHITE ZINC PAINT causes none of the ravages invariably
committed by white lead upon the human frame; neither painter's
chills, nor poisoning, &c. &c. to which diseases are caused by the
poisonous and insupportable fumes of the white lead.

Persons who inhabit newly-painted apartments are also liable
there to interference into the United Kingdom by the patentees,
the Admiralty and the most eminent physicians have given
their preference over any other paint. The Admiralty is convinced
that if white zinc paint is substituted, it becomes a very inferior
paint, instead of a first-rate one, and poets or writers of an outside
work.

The VILLIE MONTAGNE ZINC COMPANY imports largely
from its works in Belgium WHITE OXIDE OF ZINC to a dry
powder, and the same, blending their work, is only to be
considered as a pure and clean, and is not to be considered as a
poisonous and insupportable fumes of the white lead.

For further particulars apply to M. R. B. BOLLIVIER, General
Agent for the United Kingdom, of the Company's Office, 13, Man-
chester-Buildings, Westminster-bridge, London.

THE WASHINGTON CHEMICAL COMPANY,
NEWCASTLE-ON-TYNE.

PATTINSON'S OXICHLORIDE OF LEAD.—
Manufactured by

The Washington Chemical Company having, during the last
year, established a Manufacture of Pattinson's Oxichloride of
Lead on a large scale, and being able to supply it with regularity,
and to execute orders without delay, they propose to bring this new
and valuable preparation of Lead before their friends and the
public, and to show that it is not only a superior to the best
White Lead, but that it is also a superior to the best White Lead
in use, and finally to show that it is also a superior to the best
White Lead in use.

Pattinson's Oxichloride of Lead is a chemical combination of
one equivalent of Chloride of Lead, and one equivalent of Oxide of
Lead; it is a very pure and clean, and is not to be considered as a
poisonous and insupportable fumes of the white lead.

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